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(FILE 'HOME' ENTERED AT 14:56:24 ON 03 JAN 2003)

FILE 'CPLUS' ENTERED AT 14:56:45 ON 03 JAN 2003

L1 90470 LIME
L2 41703 LIMESTONE
L3 5995 LIME AND LIMESTONE
L4 11408 LEACH
L5 68859 LEACHING
L6 169140 GOLD
L7 1132668 PH
L8 6 L3 AND L5 AND L6 AND L7

FILE 'WPIDS' ENTERED AT 15:04:42 ON 03 JAN 2003

=> 11 and 14 and 16 and 17

24006 LIME
6890 LEACH
28652 GOLD
169255 PH
L9 10 L1 AND L4 AND L6 AND L7

L9 ANSWER 2 OF 10 WPIDS (C) 2003 THOMSON DERWENT
TI Recovery of precious metals from refractory materials involves milling the refractory material and leaching it with a **lime** solution and/or limestone in the presence of an oxygen containing gas.

AN 2000-283622 [24] WPIDS
AB WO 200017407 A UPAB: 20000522

NOVELTY - Precious metals, such as **gold**, silver or platinum are recovered from a refractory material by milling the refractory material until the particle size of 80% of the particles is less than 25 microns, and leaching it with a **lime** and/or limestone solution in the presence of an oxygen-containing gas.

USE - For the recovery of **gold**, silver or platinum from refractory material.

ADVANTAGE - The process uses water-soluble alkali reagents that can precipitate the arsenic present in the refractory material. Capital and operating costs are reduced because the **leach** solution need not be pressurized. Formation of gypsum during leaching enhances the filterability of the residue. The type of compounds formed in the alkaline leaching system is not reactive toward cyanide and will not consume high levels of cyanide in the **gold** recovery process.

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AN 2000-283622 [24] WPIDS
DNC C2000-085734

TI Recovery of precious metals from refractory materials involves milling the refractory material and leaching it with a **lime** solution and/or limestone in the presence of an oxygen containing gas.

DC M25
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PA (MIMH-N) MIM HOLDINGS LTD

CYC 90

PI WO 2000017407 A1 20000330 (200024)* EN 38p
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL
OA PT SD SE SL SZ TZ UG ZW
W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

AU 9960714 A 20000410 (200035)

EP 1171641 A1 20020116 (200207) EN

R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
RO SE SI

AU 744356 B 20020221 (200223)

NZ 511616 A 20021025 (200274)

ZA 2001003771 A 20021030 (200282) 43p

ADT WO 2000017407 A1 WO 1999-AU795 19990920; AU 9960714 A AU 1999-60714
19990920; EP 1171641 A1 EP 1999-947120 19990920, WO 1999-AU795 19990920;

AU 744356 B AU 1999-60714 19990920; NZ 511616 A NZ 1999-511616 19990920,

WO 1999-AU795 19990920; ZA 2001003771 A ZA 2001-3771 20010509

FDT AU 9960714 A Based on WO 200017407; EP 1171641 A1 Based on WO 200017407;
AU 744356 B Previous Publ. AU 9960714, Based on WO 200017407; NZ 511616 A
Based on WO 200017407

PRAI AU 1998-6313 19981006; AU 1998-6025 19980921